

*T h e V i s i o n O f S e c u r i t y*

# SECURITY PRODUCTS CATALOGUE

INTERNATIONAL EDITION





## CORPORATE PROFILE

*The Crow Group is a worldwide leading designer and manufacturer of electronic intruder alarm systems and detection devices. The company provides professional installers with the highest standards of performance as well as innovative and cost effective solutions.*

*With a full range of wired and wireless control panels, intrusion alarm detectors, unique outdoor detection devices, access control systems, and smart communication accessories for the security industry, The Crow Group offers its proven expertise to the security industry and faces the evolving needs of the security marketplace.*

*Crow's products are used worldwide by professional installers and central stations to protect life and property in residential, commercial, industrial and military environments.*

*The Company has established a worldwide dynamic network of distributors and sales offices, making the best use of its most advanced technologies, state-of-the-art R&D and manufacturing facilities. Its Total Quality Management is in line with the latest international standards.*

### ISO 9001, 2000 CERTIFIED



**CROW ELECTRONIC ENGINEERING LTD.** The company was founded in 1982 with the specific aim of developing, designing and manufacturing advanced products for the security industry. The company's commitment to innovative design and quality has ensured that Crow has established itself as one of the very top names in the international security market. As a ISO 9001, 2000 certified company, Crow offers improved quality assurance procedures for customer satisfaction.  
[sales@crow.com](mailto:sales@crow.com)



**FREE LINK LTD.** develops and markets short range wireless systems based on spread spectrum and unique communication patents. Its product range includes wireless security systems for home automation, as well as indoor wireless security systems, and wireless perimeter detection systems. Free Link holds patents in the USA, Europe and Israel for methods and systems for immune low rate modems.  
[sales@freelink-w.com](mailto:sales@freelink-w.com)



**ACTEC LTD.** offers advanced Access Control solutions for the professional security market including multi users stand alone and PC based systems.

# The Vision Of Security

<b>SECURITY SYSTEMS</b>	<b>3-9</b>
<b>PowerWave / Power Wave Compact Series</b>	<b>3-6</b>
Hardwired and wireless Control Panels	
<b>FreeWave Series</b>	<b>7-8</b>
Integrated Wireless Control Panels	
<b>Merlin Pro Series</b>	<b>9</b>
Universal Receiver Interfaces	
<b>OUTDOOR WIRED AND WIRELESS SOUNDERS</b>	<b>10</b>
<b>INTRUSION DETECTORS</b>	<b>11-25</b>
<b>Swan Series</b>	<b>11-12</b>
New Range of Quad Imaging Pet Immune Detectors	
<b>MR Series</b>	<b>13-14</b>
Professional Mirror Optics PIR Detectors	
<b>SMART Series</b>	<b>15-16</b>
Double Dual™ and Double Linear Imaging Technology Detectors	
<b>360° Ceiling Series</b>	<b>17</b>
Ceiling Mount Detectors	
<b>Glass Break Series</b>	<b>18</b>
Glass Break Detectors & Glass Break + PIR Sensors	
<b>SRP/SRX Series</b>	<b>19-20</b>
PIR & Dual Technology Detectors	
<b>TALON Series</b>	<b>21</b>
Passive Infrared Detectors	
<b>MINI PIR LIGHT</b>	<b>22</b>
Passive Infrared Detectors	
<b>OUTDOOR DETECTION DEVICES</b>	<b>23-24</b>
<b>MRX Platinum</b>	<b>23</b>
Triple Technology Mirror Optics Sensors	
<b>CSB Series</b>	<b>24</b>
Intelligent Outdoor Microwave Barriers	
<b>ACTEC SERIES - ACCESS CONTROL SOLUTIONS</b>	<b>25-27</b>
<b>CMICS SERIES - GSM BACKUP SYSTEMS</b>	<b>28-29</b>
<b>RV-COM SERIES - CENTRAL STATION RECEIVERS</b>	<b>30-31</b>

# POWERWAVE SERIES

HARDWIRED AND WIRELESS CONTROL PANELS  
WITH HOME AUTOMATION  
AND ACCESS CONTROL CAPABILITIES



## WINWAVE FULL UPLOAD/DOWNLOAD SOFTWARE PACKAGES

- User friendly Windows based Software for all PowerWave panels
- Bell 103 and CCITT V21 formats supported

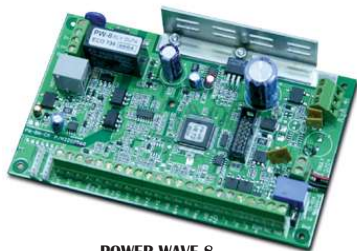


POWER WAVE 4

## POWER WAVE 4

### COST EFFECTIVE 4 ZONE SECURITY SYSTEM

- 4 hardwired zones
- 2 on board Programmable Outputs
- User Friendly Upload/Download Software Package
- Ideal for residential applications
- Supports PowerWave & Freewave accessories



POWER WAVE 8

## POWER WAVE 8

### PROFESSIONAL 8 ZONE SECURITY SYSTEM

- 4-8 hardwired zones
- 2 Partitions and 2 part set modes
- Programmable Day zone (Chime) mode
- Two trigger zone function
- Siren Lockout by zone and output
- Intelligent smoke detector reset
- 2 exit & 8 entry delay timers
- Stay mode night arming station
- Up to 10 users
- Multiple keypads support
- Dynamic battery testing and monitoring
- 4 on-board fully programmable outputs
- 127 event buffer
- Multiple communication formats incl.
- Phone line monitoring
- Up to 4 programmable phone numbers
- Up to 8 radio devices
- Up to 8 radio keys
- Supports PowerWave & Freewave accessories



POWER WAVE 16

## POWER WAVE 16

### ADVANCED 16 ZONE SECURITY SYSTEM

- 8-16 hardwired zones
- Up to 3 partitions and 3 part set modes
- Programmable Day zone (Chime) mode
- Two trigger zone function
- Siren Lockout by zone
- Zones programmable as Request to Exit or as Door Open too Long
- Intelligent smoke detector reset
- 3 exit & up to 16 entry delay timers
- Stay mode night arming station
- Up to 50 users
- Up to 8 programmable time zones
- Auto Arm/Disarm and control of outputs via time zones
- Dynamic battery testing and monitoring
- 8 on-board fully programmable outputs
- 256 event buffer
- Multiple communication formats
- Phone line monitoring
- Up to 6 programmable phone numbers and 4 scenarios
- Up to 16 radio devices
- Up to 20 radio keys
- Supports PowerWave & Freewave accessories

## POWERWAVE SERIES KEYPADS



### LED ICON KEYPADS

- Slim LED Icon Keypads
- Memory viewing
- Backlit soft touch buttons with tone
- 3 Panic buttons & Emergency buttons



### LCD-B & S MULTILANGUAGE KEYPADS

- 2x16 Character two line compact Keypads
- 3 Panic buttons & Emergency buttons
- Events display
- Backlit soft touch buttons with tone
- Multi language support

## POWERWAVE SERIES ACCESSORIES



### VOICE BOARD/DTMF DECODER

- 90 sec recording of alarm and control messages
- Local or via DTMF operation
- Voice messages recording with speech programmer
- Microphone input
- DTMF Decoder with voice option



### PA BOARD

- 90 sec local pre-recorded voice messages for alarm conditions and status
- Siren driver
- Voice Messages Recording
- For Powerwave 16 only



### MICROPHONE MODULE

- Listen in via tel. line of alarm status and outputs



### D/LINK

- Direct Up/Down load via serial interface
- Memory events sending to standard serial printer



### MONITOR BOARD

- Special flush mount panic board
- Panic and night arming module



### OUTPUT RELAY EXPANDER BOARD

- 4 Relay Outputs
- Programmable via Keypad Bus



### SPEECH PROGRAMMER

- Module for voice message programming



### FW - RCV

- Wireless receiver interface
- Support all Freewave wireless accessories
- Plug & Play module



### EEPROM

- Fast Plug-in module for data transfer to multiple panels with common programming
- No need for telephone line or PC

# POWERWAVE

# COMPACT

## SERIES

4 to 8 ZONES COMPACT WIRELESS ALARM  
CONTROL PANELS



*The Powerwave Compact panels provide unmatched reliability and a broad range of user friendly features in an integrated stylish housing for residential and commercial installations.*

### **POWERWAVE COMPACT MODELS**

- Self contained housing with built-in large LCD Display
- Installation in next to no time
- Easy to Program and operate
- Supports up to 8 wired or wireless zones
- Available with Powerwave 4 & 8 control panels
- Supports Freewave accessories
- Integrated home automation and control
- Full supervision
- Ideal security systems for homes, stores and offices

## FREEWAVE FULLY SUPERVISED WIRELESS ACCESSORIES

### FREEWAVE WIRELESS PIR DETECTORS

- Asic Based Electronics
- Lithium Battery powered
- Outstanding catch performance
- Coverage up to 15 m (50') with 90° standard wide angle lens
- Models with Pet immunity available



FW200 - Series



FW100 - Series



FW - MR Series  
with Mirror Optics



FW - Swan series



### FREEWAVE WIRELESS DOOR/WINDOW CONTACTS

- Magnetic door or window contact
- Lithium battery operated



### FREEWAVE WIRELESS SMOKE DETECTOR

- 9V battery powered
- Low Battery indicator



### FREEWAVE WIRELESS 360° CEILING MOUNT DETECTOR

- Asic based Electronics
- Lithium battery powered
- 360° / 20m (66') diameter coverage when mounted at 3.6m (12')



### FREEWAVE FAST GUARD

- Outdoor perimeter or object protection
- Unique portable solution for easy and fast protection
- Lithium battery powered
- 2 km (1.25 mile) of invisible wire included



### FREEWAVE REMOTE CONTROL WIRELESS KEYS

- 4 Programmable buttons
- Lithium battery powered



### FREEWAVE WIRELESS GLASS BREAK DETECTOR

- Glass break and shock detection
- Detection range up to 12 m (40')
- Lithium battery powered

# FREEWAVE SERIES

Integrated Wireless Control Panels

*Freewave advanced security and home automation system helps you safeguard your home and family and provides you that reassurance you so much need...*



## **PERFORMANCE...**

- ▀ Up to 60 wireless zones and 4 hardwired zones
- ▀ Remote, in house and mobile control
- ▀ Advanced digital audio features including message recording playback and 2 way voice monitoring
- ▀ Integrated home automation and control
- ▀ Efficient time management

## **EASY...**

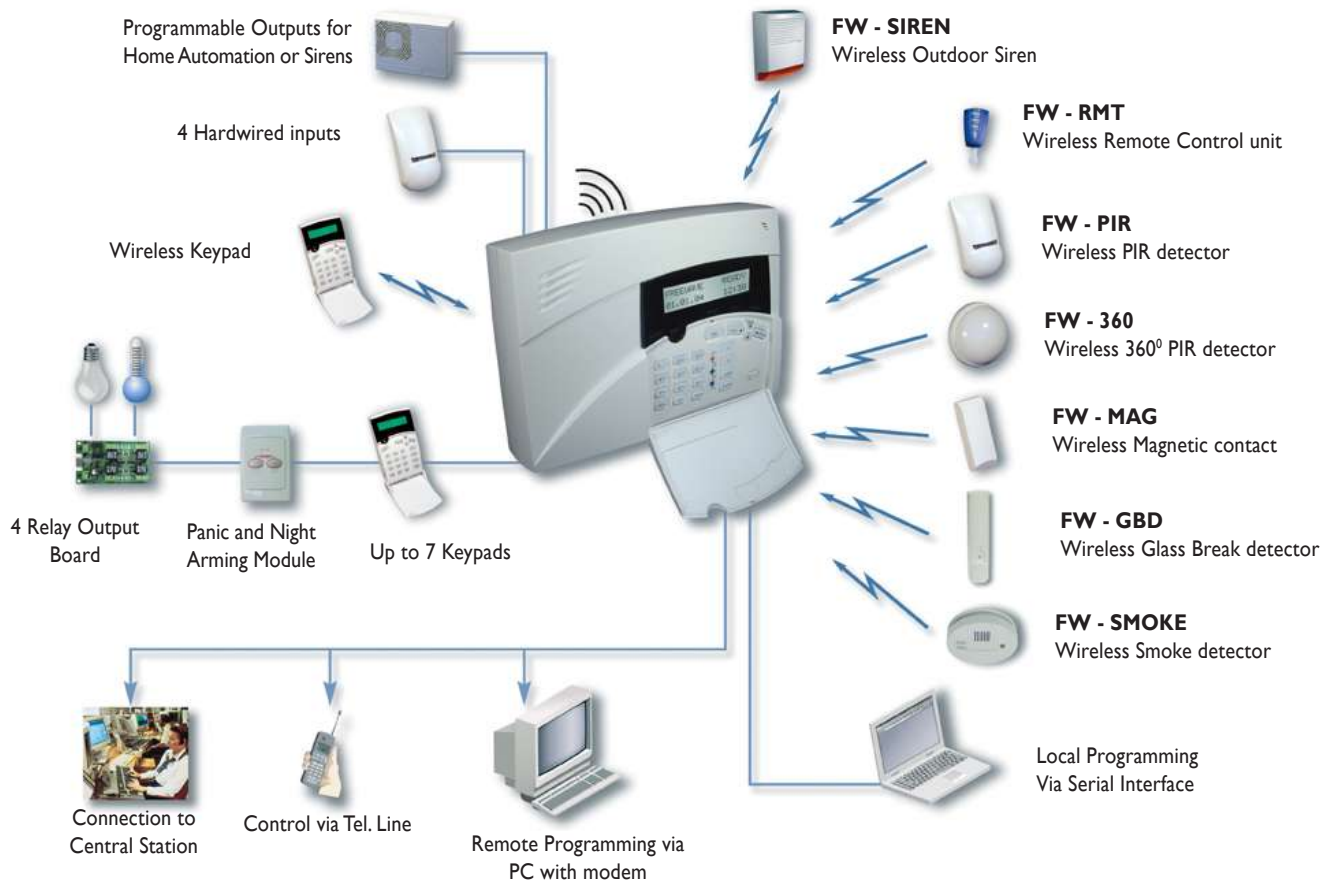
- ▀ Installation in next to no time
- ▀ Easy operation with user friendly keypads and voice response guidance
- ▀ Compact and stylish design with large backlit LCD display
- ▀ Multi-language support

## **SAFE...**

- ▀ Child and elderly or disabled monitoring
- ▀ Pet Immune detectors
- ▀ Effective Monitoring of Emergencies
- ▀ Compliance with European standards and regulations



## FREEWAVE FULLY SUPERVISED WIRELESS ACCESSORIES



## FREEWAVE FEATURES

- Self contained wireless control panel with integrated 2 lines x 16 character large LCD display
- Up to 60 wireless zones
- Up to 4 hardwired zones
- 80 wireless keys
- Up to 4 partitions and 4 part set modes
- 100 user codes
- D-Link serial interface for easy local PC based programming
- WinWave Full upload/download software for system local or remote programming
- Supports Telephone, cellular, domestic dial and personal paging communication
- Unique integral digital audio package including voice user instructions and messages, message recording and playback, 2 way voice monitoring
- 256 time and date stamped event memory
- EEPROM program backup module via serial port
- Full system status and program back up capability
- Multiple communication formats incl. Contact ID, 4+2, domestic and more
- Up to 6 programmable telephone numbers and 4 scenarios
- Fully supervised operation incl. low battery, communication failure and RF Jamming
- Installation in next to no time
- RSSI supervised Wireless devices location test
- Up to 1 km (0.6 mile) Receiver range in free space
- Operating frequency : 868 Mhz, 433 MHz, 915 Mhz. FSK based

*The Freewave systems offer supervision and outstanding features for professional wireless residential and commercial installations*

# MERLIN PRO SERIES

UNIVERSAL RECEIVER INTERFACES



*The Merlin Pro is a unique wireless receiver interface implementing the advanced Freewave 868 Mhz FSK technology.*

*The system is designed to convert any wired control panel into a wireless system.*

*The system offers an extended open space fully supervised operating range, a multi year life battery and many other powerful and user friendly features.*

## **MERLIN PRO**

- Installation in next to no time
- Easy to program and operate
- Compact and elegant design with backlit LCD display
- Support of up to 64 zones and 256 pendants
- Zone supervision, low battery alarm and tamper indications
- 256 Events saved for user friendly retrieval at all times
- 5 Programmable relay functions
- Separate tamper output
- Multi language support
- RSSI supervision
- Real time clock
- Operating frequencies: 868 MHz. Other freq. upon request
- Support FreeWave wireless Devices
- Up to 700m (435 mile) receiver range in free space



*The BS Series of external warning devices offers an outstanding range of features for every professional installation.*

*The BS-1 Series provide exceptional reliability, tamper protection and steel inner cover assembly.*

*High end wired models include stainless steel inner cover and Xenon Lamp.*

*The BS-2 outdoor siren is a stand alone battery powered, one way FSK modulated wireless unit. It can be operated by any control panel with a dry contact output.*

#### **BS-1**

##### *WIRED OUTDOOR SOUNDER*

- Innovative and Compact Design
- Self contained sounder and strobe unit
- 120 dB output level
- Low Power consumption
- Frequency : 0.5 to 3 KHz
- High grade ABS & polycarbonate housing
- Cover and Wall tamper protection
- Available with Xenon Strobe and stainless steel inner cover
- Dimensions (HxWxD):  
280 x 195 x 100 mm (11" x 7.6" x 4")

#### **BS-2**

##### *WIRELESS OUTDOOR SOUNDER*

- Transmitter module Kit
- Siren module with double conversion wireless receiver
- RSSI Monitoring
- Full supervision
- Low Battery Indicator
- Cover and Wall tamper protection
- No external power supply required
- Dimensions (HxWxD):  
280 x 195 x 100 mm (11" x 7.6" x 4")

# SWAN SERIES

New Range of Quad Imaging Pet Immune Detectors

## ***Quad Imaging technology with Pet Immunity***

The new Swan line detectors use specially designed optical lenses with a unique Quad element sensor and new Asic based electronics. The unit has advanced Pet Immunity that can virtually eliminate false alarms caused by small animals and pets up to 25 Kg (55 lbs) in weight. Each unit features a diffractive mirror for “creep zones” protection.

## ***Sharpest detection and Exceptional Stability***

The Swan detectors provide unprecedented levels of catch performance, immunity against visible light and electrical transients together with exceptional stability for every security application.

## ***Slim Designed Housings***

The Swan line features compact and streamlined housings suited for residential and commercial applications.

## ***Unique Mounting Bracket kit and Special Curtain Mask***

The Swan detectors are installation height calibration free. They can be wall, corner or ceiling mounted with an exceptionally user friendly bracket kit.

The Swan Series offer a special masking device for adapting the detector's lens to curtain pattern.



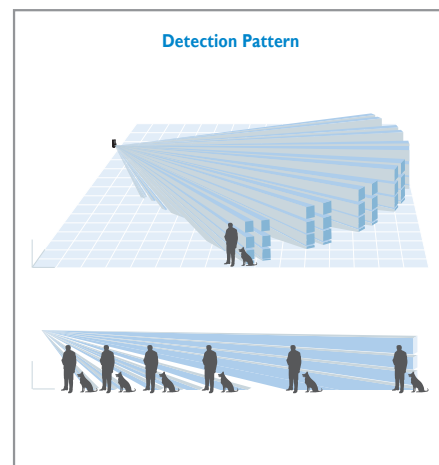
### **SWAN QUAD**

- Bi Directional Temperature Compensation
- 18 x 18 m (60'x 60'), 90° detection pattern
- Pet Immunity of up to 25 kg (55 lbs)
- Slim design for residential installations



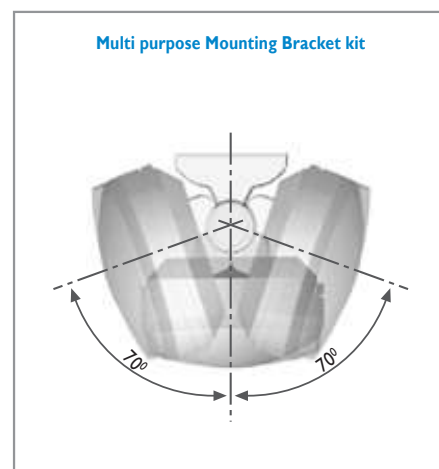
#### SWAN PGB

- Triple Technology PIR, Shock and Glass Break detector
- 2 relays for PIR and Glass Break
- Digital signal processing
- Exceptional detection of plate and tempered glass
- 18 x 18 m (60'x 60'), 90° detection pattern
- Pet Immunity of up to 25 kg (55 lbs)
- Compact design for commercial installations



#### Swan 1000 / Swan 2000AM / Swan K

- Passive Infrared and Microwave Detector
- Bi Directional Temperature Compensation
- Digital Microwave signal processing
- PIR and Microwave Sensitivity Adjustment
- 15 x 15 m (50'x 50'), 90° detection pattern
- Pet Immunity of up to 25 kg (55 lbs)
- Compact design for residential and commercial installations
- DRO Microwave technology
- Available with 10.525, 9.9 Ghz Freq.
- Swan K: band 24.125 Ghz Freq.
- Anti-masking feature in Swan 2000AM & Swan K

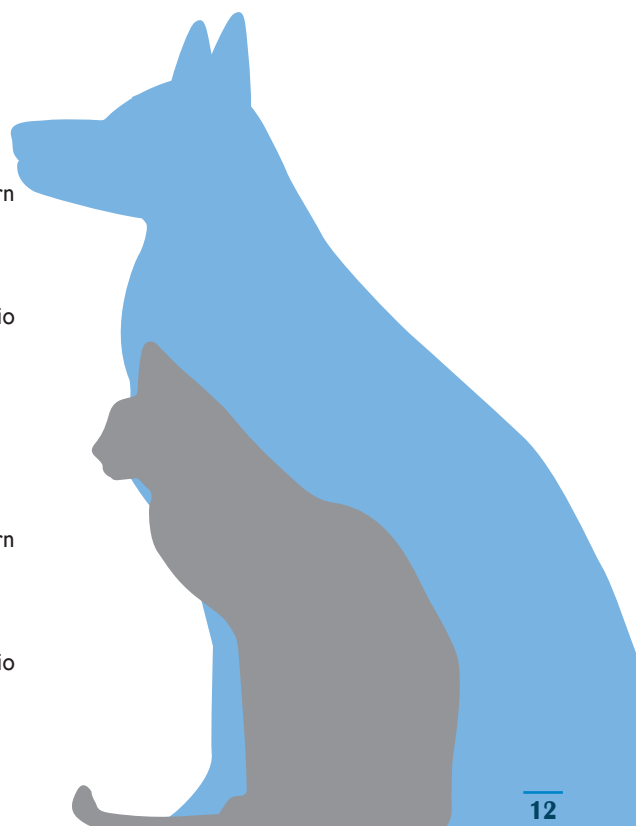


#### Swan C-CAM

- Combined PIR & Pinhole Colour camera (PAL or NTSC support)
- 18 x 18 m (60'x 60'), 90° detection pattern
- Separated NO/NC relays for VTR and alarm control
- Timer for VRT activation
- Effective alarm verification with AGC audio and video surveillance of protected areas

#### Swan B-CAM

- Combined PIR & Pinhole B&W camera (CCIR or EIA support)
- 18 x 18 m (60'x 60'), 90° detection pattern
- Separated NO/NC relays for VTR and alarm control
- Timer for VRT activation
- Effective alarm verification with AGC audio and video surveillance of protected areas



# MR SERIES

## PROFESSIONAL MIRROR OPTICS PIR DETECTORS

*Crow introduces a new line of PIR sensors at the forefront of detection technology for professional security applications.*

*The MR Mirror Optics Series brings exceptional detection performance and reliability combined with an outstanding Mirror Optics design for ultimate space protection.*

### PRECISION VARIFOCAL MIRROR DESIGN

Varifocal mirrors dramatically improve the focus and level of energy collected by the Pyro Sensor regardless of range.

The electronic gain of the detector is reduced and therefore the Signal to Noise ratio is optimized to virtually eliminate false alarms.

This design also provides an improved freedom from false alarms with its unprecedented level of immunity against visible light.

### ASIC BASED SIGNAL PROCESSING

The ASIC signal processing implemented in the MR series allows the detector to identify human movement with extreme accuracy, validate intrusions and program itself to cope with harsh environmental applications.

### EXCEPTIONAL STABILITY AND VERSATILITY

The MR series offers an unparalleled detection capability and stability for every security installation. It includes various models adapted to each type of installation, from the smallest device for curtain pattern protection to the most sophisticated sensors with Double PIR and Microwave, Pet Immunity, AntiMasking capabilities and more.

### EASY AND FAST INSTALLATION

Installation height of the MR detectors is calibration free. Optional masks for pet immunity allow the installer to customize the detector according to application requirements. Masks exist for 10,20,30 and 40 Kg pet immunity (22,44,66, or 88 lbs).



#### MR-100

##### COMPACT WIDE ANGLE PIR DETECTORS

- High Precision Mirror Optics with Look Down Zone
- Dual Element pyro sensor
- 15 m (49') Detection Range with 90° Wide Angle Mirror
- Automatic Temperature Compensation
- Sensitivity Adjustment
- Compact Design for Residential Installations



#### MR-303

##### ULTRA WIDE ANGLE PIR DETECTORS

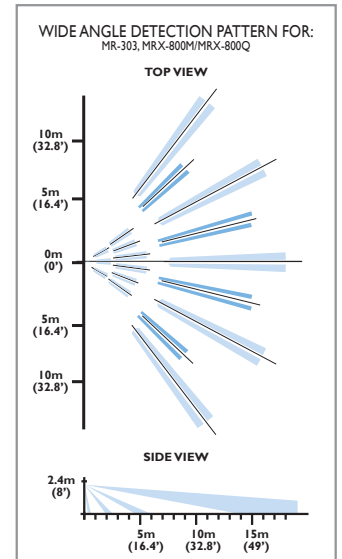
- High Precision Mirror Optics with Look Down Zone
- Dual Element pyro sensor
- Sealed Optics for Enhanced Stability against Air Movements and Insects Intrusion
- 15 m (49') Detection Range with 110° Ultra Wide Angle Mirror
- ASIC based Electronics for higher stability and rejection of unwanted interference
- Sensitivity Adjustment
- Automatic Temperature Compensation



### MRX-800M/MRX-800Q

PIR AND MICROWAVE DETECTORS FOR ULTIMATE CATCH PERFORMANCE AND STABILITY

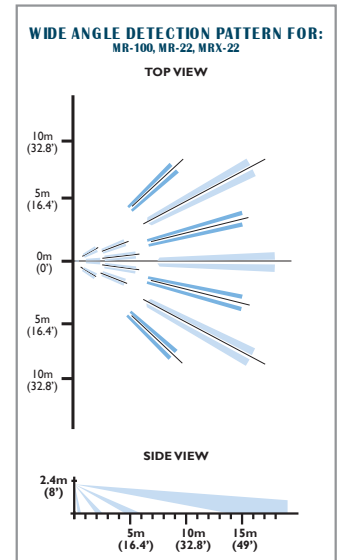
- High Precision Mirror Optics with Look Down Zone
- Dual or Quad Element Pyro Sensor
- Selectable MicroWave Sensitivity Control
- MicroWave Range Control
- X-Band MicroWave
- FET Oscillator
- 15 m (49') Detection Range with 110° Ultra Wide Angle Mirror
- Automatic Temperature Compensation
- Ideal for Harsh Environmental Applications
- Antimasking feature upon request on MRX800M model.



### MR-22

DOUBLE DUAL ELEMENT MIRROR OPTICS PIR DETECTOR

- Unique Double Dual Element PIR and Double Mirror Optics for Superior Catch Performance in Harsh Environments
- Up to 25 m (82') Detection Range with Long Range Mirror
- ASIC based Electronics Design for Maximum Protection against False Alarms
- Automatic Temperature Compensation
- Ideal for commercial applications



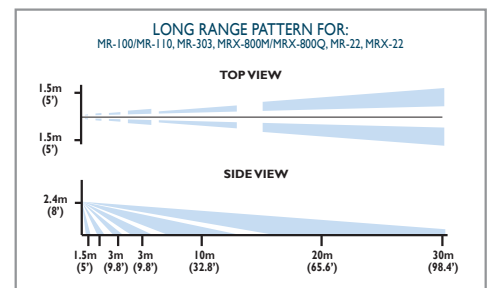
UNIQUE MIRROR OPTICS TRIPLE TECHNOLOGY SENSOR



### MRX-22

DOUBLE MIRROR OPTICS PIR & MICROWAVE DETECTOR

- Unique Triple Technology for Industrial Applications
- ASIC and MicroController Based Electronics Design for Outstanding Signal Processing and Highest Signal to Noise Ratio
- X-Band and FET Oscillator
- Up to 25 m (82') Detection Range with Long Range Mirror
- Automatic Temperature Compensation



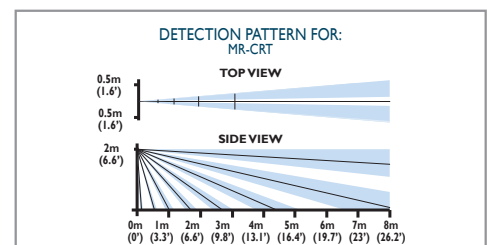
THE WORLD'S SMALLEST MIRROR OPTICS PIR DETECTOR



### MR-CRT

MIRROR OPTICS CURTAIN PIR PROTECTION IN ULTRA COMPACT DESIGN

- High Precision Built-In sealed Mirror Optics
- 8 curtains of detection
- 8 m (26') detection range with full creep zone protection
- Automatic Temperature Compensation



# SMART SERIES

## DOUBLE DUAL™ AND DOUBLE LINEAR IMAGING TECHNOLOGY DETECTORS

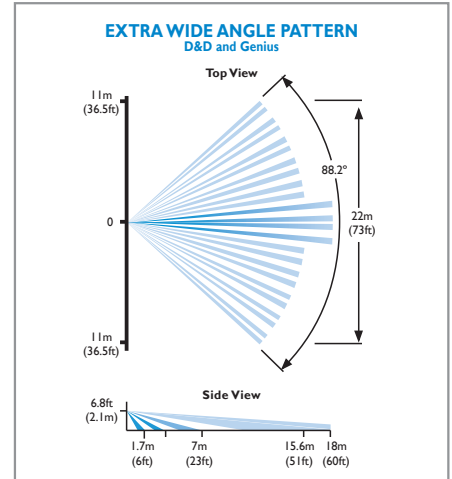


D&D

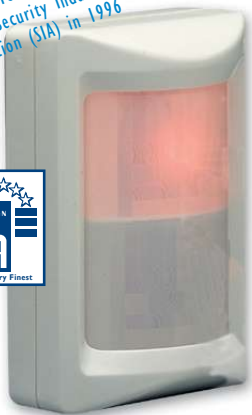
### D&D

#### WEATHER RESISTANT DOUBLE DUAL ELEMENT MOTION DETECTOR

- Unbeatable reliability in hostile environments
- Outstanding catch performance
- Ignores animals, birds and insects
- Latest Asic technology embedded
- Automatic temperature compensation
- White light immunity
- High RF and EM immunity



Genius received the Product Achievement Award as BEST DETECTOR OF THE YEAR by the Security Industry Association (SIA) in 1996

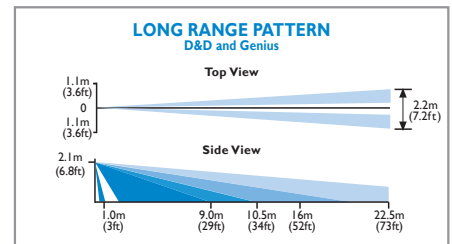
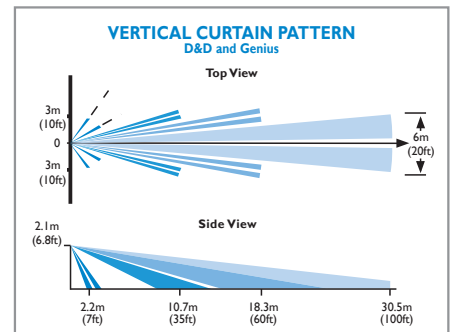


GENIUS

### GENIUS

#### DOUBLE DUAL ELEMENT MOTION DETECTOR

- "Double dual" optic system for 3D vision and easy differentiation between a small animal and a genuine intruder
- Advanced Asic based electronics for supreme accuracy and reliability
- Automatic temperature compensation
- High RF and EM immunity
- Adapted for installation in harsh environments

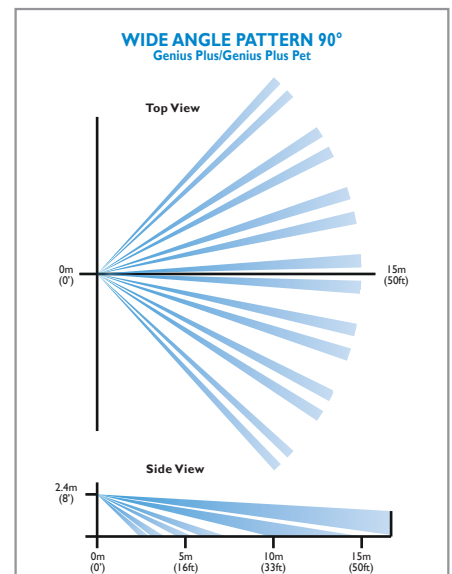


GENIUS PLUS

### GENIUS PLUS/GENIUS PLUS PET

#### THE NEW GENIUS WITH DOUBLE LINEAR IMAGING TECHNOLOGY

- Double Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from background and animals
- Up to 25 kg. (55 lb.) pet immunity in Genius Plus Pet
- Up to 5 kg. (11 lb.) pet immunity in Genius Plus
- Super compact design
- Latest Asic technology embedded
- Automatic temperature compensation
- High RF and EM immunity
- Adapted for installation in harsh environments







PET 2

#### PET 2

- Dual element pyro sensor
- Hard type full pattern spherical lens and diffractive mirror for creep zones
- Variable pulse width adjustment
- Sensitivity adjustment
- Automatic temperature compensation
- Height installation calibration free from 1.5M to 3.6m (5ft to 12ft)
- Environmental immunity



PET 4

#### PET 4

- Hard spherical interchangeable lenses with LP filter for best immunity against visible light
- Optional black lenses with LP filter for industrial applications
- Diffractive reflection mirror for creep zones
- VLSI based electronics with movement speed spectrum analysis
- Unique quad element pyro sensor
- Bi directional temperature compensation
- Height installation calibration free from 1.5m to 3.6m (5ft to 12ft)
- Environmental immunity
- Sensitivity adjustment
- Memory latch

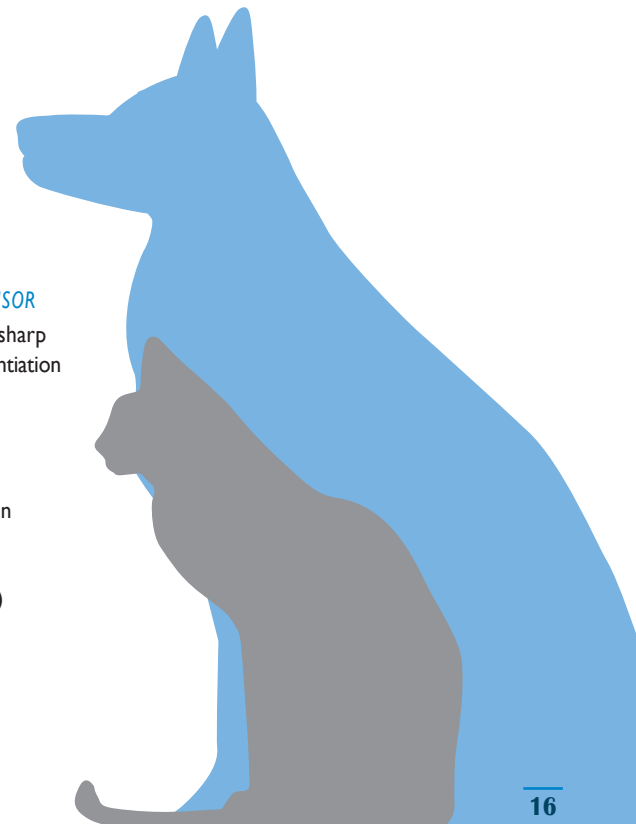
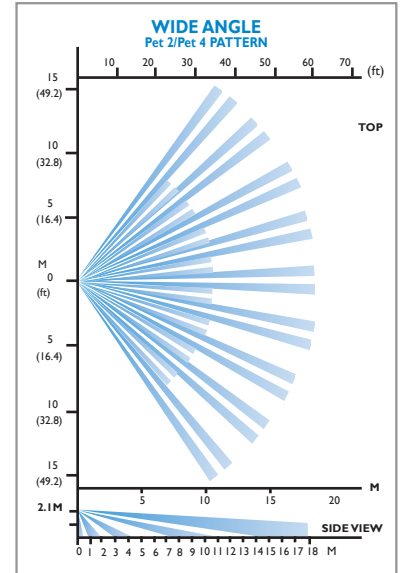


PET PLUS

#### PET PLUS

##### PET IMMUNITY LINEAR IMAGING PIR SENSOR

- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from background and animals
- Up to 25 kg. (55 lb.) pet immunity
- Super compact design
- Latest Asic technology embedded
- Automatic temperature compensation
- High RF and EM immunity
- Detection Patterns - Refer to model Genius Plus / Genius Plus Pet (pg. 15)



# CEILING MOUNT

## SERIES

### CEILING MOUNT DETECTORS SERIES

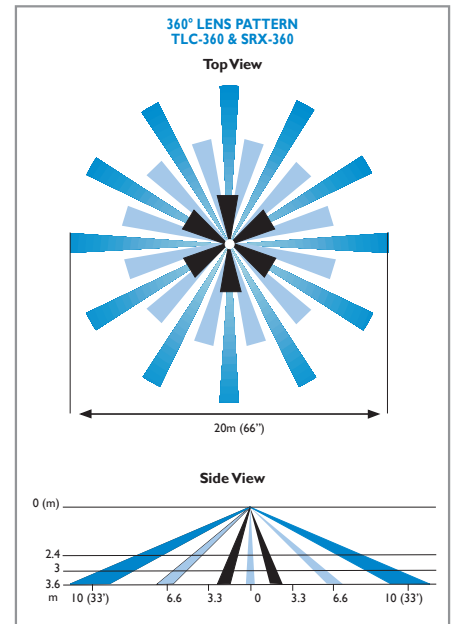


TLC-360

#### TLC-360

##### 360° CEILING MOUNT PIR DETECTOR

- Unique hard shell spherical lens
- 360° / 20 m (66') diameter coverage when mounted at 3.6 m (12')
- Ceiling Mounted Quad Element Pyro
- Complete Range Adjustment
- ASIC based Technology
- Fully sealed optical chamber
- Extra-wide rear wiring channel



SRX-360

#### SRX-360

##### 360° CEILING MOUNT PIR & MW DETECTOR

- PIR and Microwave sensor with 360° coverage pattern
- Up to 3.6 m (12ft) Mounting Height
- 360° / 20 m (66') diameter coverage when mounted at 3.6 m (12')
- Asic based Electronics
- Suited for harsh environments
- High RFI and EMI immunity
- Rodent Immunity

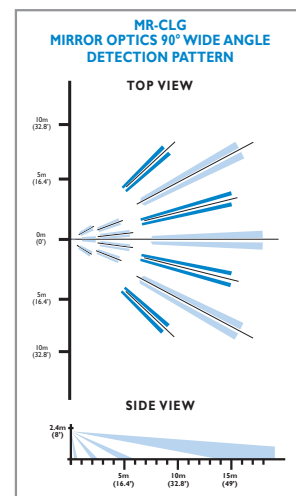


MR-CLG

#### MR-CLG

##### 90° MIRROR OPTICS CEILING MOUNT DETECTOR

- Dual element PYRO sensor and full pattern mirror for outstanding detection performance and elimination of false alarms
- Micro-Controller based electronics with movement speed spectrum analysis
- Installation height 2.4m to 8m (8ft to 26ft)
- Optional Pet Immunity
- PIR sensitivity setting
- Environmental immunity
- Fully sealed sensor chamber
- Maximum RFI & EMI Immunity
- Fluorescent light stability



# GBD & SRPG SERIES

## GLASS BREAK DETECTORS & GLASS BREAK + PIR SENSORS

The GBD series is the ultimate in eliminating false alarms while offering excellent protection. It listens for sounds of breaking glass which produces two sequential signals of different frequencies. The unique phased frequency detection circuitry of these detectors allow detection of both shock and breaking glass signals creating a "false alarm free" glass break detector. The detector does not need to be attached to the window, providing volume protection and allowing you to protect several windows with one detector.



### GBD-II

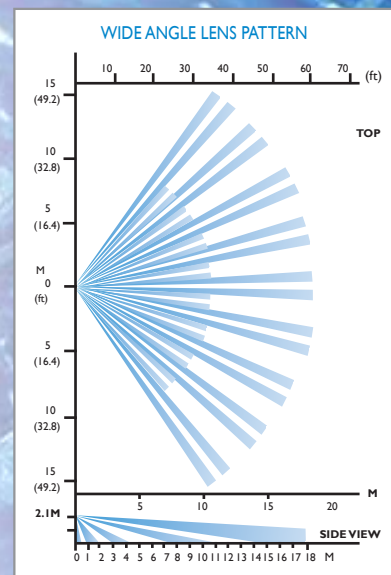
- Shock and/or breakage selectable
- Analyzes two frequencies
- Unique signal analysis ignores environmental disturbances
- Memory LED
- ASIC based electronics
- Sensitivity adjustments
- Ceiling or wall mount
- Operates in temperatures of -20° C to 50° C (-4° F to 122° C)



### GBD-PLUS

#### NEW COMPACT GLASS BREAK DETECTOR

- GBD-II Electronics
- New Ultra Compact design
- Flush Mount installation - optional
- Outstanding detection range and reliability

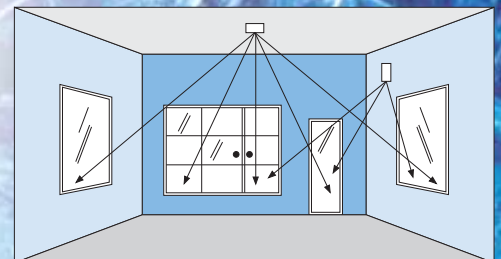


The SRPG-II is a professional passive infrared & glass break detector combining functions of SRP-600 and GBD. The detection of both shock and glass break signals creates a "false alarm free" glass break detector. The SRPG-II does not need to be attached to window. The unit features separate outputs for each technology as an aid to alarm verification.



### SRPG-II

- Two detectors in one
- Dual element pyrosensor
- Hard shell spherical lens
- Diffractive mirror for creep zones
- Shock and breakage detection with separate sensitivity adjustments allowing the protection of several windows with one detector
- ASIC based electronics
- 2 separate relays for glass break and PIR
- Curtain lens available



# SRP/SRX SERIES

## PIR & DUAL TECHNOLOGY DETECTORS

### THE CLASSICAL SRP SERIES FEATURES

- Adjustment free mounting from 1.5 m to 3.6 m (5' to 12')
- Bi directional automatic temperature compensation
- Latest ASIC based electronics with high reliability and outstanding catch performance in residential, commercial and industrial applications
- Environmental immunity
- User friendly installation with or without unique swivel mounting bracket
- Unique full range of sensors including PIR & Microwave combined sensors
- Wide range of lenses: wide angle, long range, animal alley and long range curtain



SRP-100/300

#### SRP-100/300

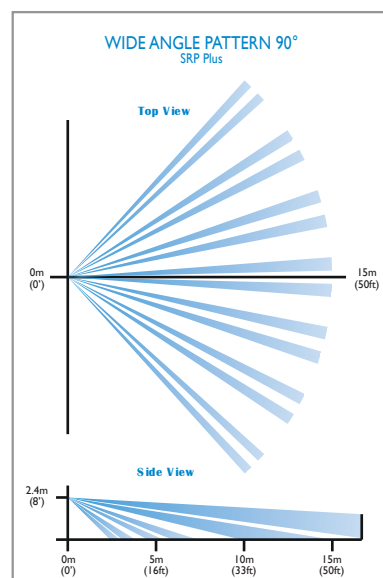
- Unique hard shell spherical lenses with look down zones
- ASIC based electronics in SRP-300
- Sensitivity adjustment
- Memory latch
- 18 m x 18 m (60' x 60') wide angle lens coverage



SRP-PLUS

#### SRP-PLUS

- ASIC based electronics
- Super compact design
- Ultra smart Linear Imaging Technology for ultimate reliability and detection accuracy
- 15x15 m (50'x50') wide angle coverage
- High RF and EM immunity
- Ideal for residential applications





SRP-600/700

### SRP-600/700

- Unique hard shell spherical lenses with look down zones
- ASIC based electronics
- Sensitivity adjustment
- Visible light filter for higher immunity to white light
- High RF and EM immunity
- 18 m x 18 m (60' x 60') wide angle coverage
- Quad element PYRO in SRP-700
- Optional black lenses with lp filter for industrial applications



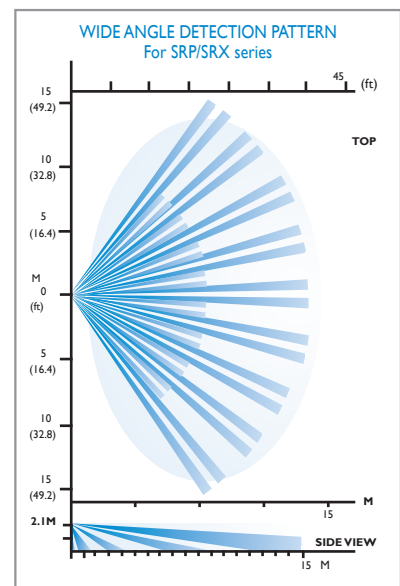
SRX-1000/SRDT-15  
SRX-2000 A

### SRX-1000 / SRDT-15

- ASIC based electronics
- Unique hard shell spherical lenses with look down zones
- Pir and microwave detection sensor
- Microwave sensitivity adjustment
- Pir sensitivity adjustment
- Digital microwave signal processing
- DRO microwave technology for outstanding reliability
- And & Or alarm signal selection
- Microwave frequency  
SRX-1000: 10.525, 10.687, 9.9 Ghz  
SRDT-15: 2.45 Ghz

### SRX-2000 A

- PIR & microwave detector with antimask
- Hard shell spherical lens with LP filter with higher white light immunity
- Double dual pyo sensor
- Pir and microwave sensitivity adjustment
- Digital microwave signal processing
- DRO microwave technology for outstanding reliability
- MW frequency: 10.525, 10.687, 9.9 Ghz



# TALON SERIES

## PASSIVE INFRARED DETECTORS

The Talon Series of PIRs incorporates Crow's exclusive MicroPrism Lens which provides uncompromising catch performance.

The Talon PIRs are as fast and reliable in detecting movement towards the detector as they are across the PIR zones.



**TLC-15/10**

### TLC-15/10

- Unique attack-proof hard shell lens
- Ideal for residential applications
- Sensitivity adjustment
- Compact design
- SMD technology



**TLC-30/TLC QUAD**

### TLC-30/TLC-QUAD

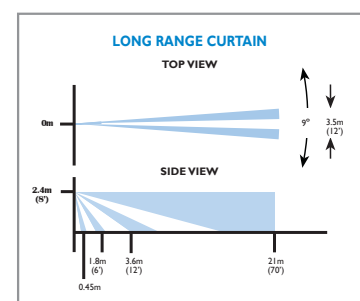
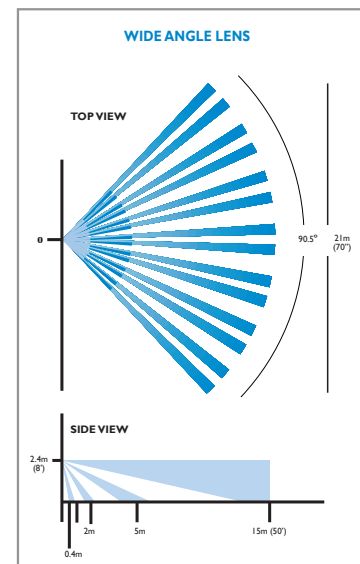
- Attack-proof hardened lens with wide angle and long range, all in one model
- Quad element PIR in TLC-Quad
- ASIC based electronics
- Sensitivity adjustment



**TLC-X/TLC-S**

### TLC-X/TLC-S

- PIR and Microwave detection for ultimate catch performance and stability
- Sealed Optics
- Draft / insect immunity
- Sensitivity adjustment
- ASIC based electronics



# MINI PIRLite

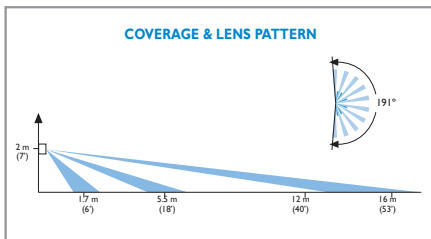
PASSIVE INFRARED DETECTORS

A unique miniature passive motion detector specially designed for energy management and security applications such as: garden lights, hotels, garage, parking, etc.

When the PIR detects far infrared energy being emitted from human body crossing the detection area, the Mini PIRLite module activates the AC load (light) for a predetermined duration. The Mini PIRLite features a rigid housing designed for operation in harsh environments.



- Unique asic signal processing
- Weather-proof & compact design
- Test mode function
- Wide detection angle
- Light on time adjustment
- Illumination intensity control
- Simple wiring & installation
- Output relay for 1000w loads
- Available with or without bracket



Technical Specifications	
Load activation type	Relay
Power supply	50hz - 60hz
Adaptable Ac load	Incandescent lamp including
	Halogen = 1000w (240v ac)
	Fluorescent lamp = 250w (240V ac)
Power consumption	1.0W
On-time	approx. 10 = 300Seconds
Ambient light intensity	approx. 5 = 120 Lux
Detection distance	approx. 12 m (frontal Direction)
Detectable Movement speed	0.6 M/s = 1.5 M/s
Testing mode time (Cds defeat time)	180 seconds
Detecting time	4 seconds (after each detection)
Operating temperature	-20°C = 40°C
Operating humidity	max. 95% Rh

The Mini PIRLite is designed to cover a very large detection area as 180° in the horizontal plane and 50° in the vertical plane with its unique wide-range fresnel lens.

# MRX OUTDOOR DETECTION SERIES

## TRIPLE TECHNOLOGY MIRROR OPTICS SENSORS

### PLATINUM

The "MRX Platinum Series" offers a unique combination of varifocal mirrors, ASIC based electronics and durable enclosures for stable performance and reliability in various outdoor high security and CCTV applications.

The "MRX Platinum Series" includes unique triple technology sensors, combining twin dual element Pyro sensors and microwave technology for ultimate stability in harsh environment applications.



#### MRX-300

##### SPECIAL "TRIPLE TECHNOLOGY" OUTDOOR DETECTOR FOR EXTREME OUTDOOR CONDITIONS

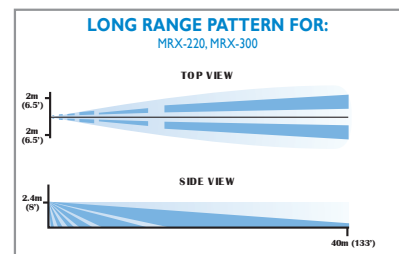
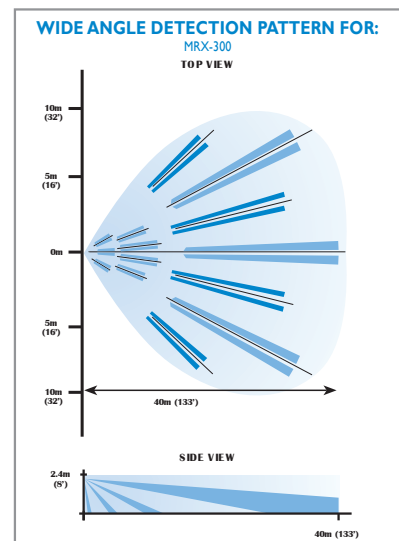
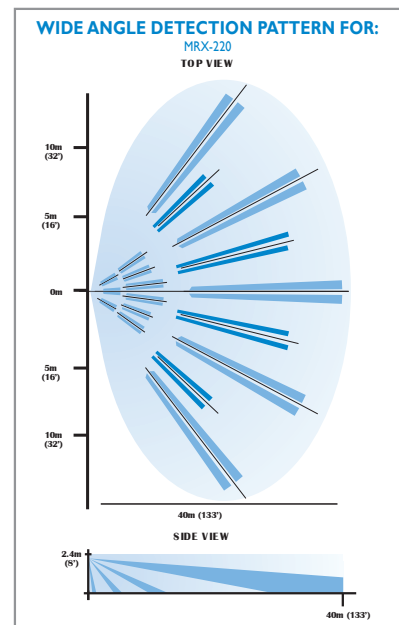
- Industrial grade polycarbonate housing and bracket for heavy duty installations
- Twin Dual Element PIRs plus MicroWave Sensor
- Tamper resistant bracket
- Dual axis tilt sensor for full antivandalism protection
- IP65 Compliant
- Asic based electronics for ultimate performance and stability
- Greatest immunity against visible light and RFI /EMI sources
- Up to 40x30 m (133'x98') detection range with 90° Wide Angle Mirrors
- Up to 40 m (133') detection range with Long Range Mirrors
- Optional Pet Immunity Masks for mirrors 10,20,30 and up to 45 kg (22, 44, 66 and up to 88 lb.)
- Totally hidden wiring
- Exceptionally easy installation by simply pan, tilting and locking the unit to the alignment requirements



#### MRX-220

##### UNIQUE "TRIPLE TECHNOLOGY" OUTDOOR DETECTOR

- Powerful Twin Dual Element PIR detector with Microwave for outstanding detection speed and false alarm immunity
- Sealed and Durable Housing for residential and commercial applications
- IP65 Compliant
- Increased immunity against visible light and RFI/EMI sources
- Up to 40x40 m (133'x133') detection range with 105° Ultra Wide Angle Mirrors
- Up to 40 m (133') detection range with Long Range Mirrors
- Asic based electronics for ultimate performance and stability
- Optional Pet Immunity Masks for mirrors 10,20,30 and up to 45 kg (22, 44, 66 and up to 88 lb.)





# CSB SERIES

## INTELLIGENT OUTDOOR MICROWAVE BARRIERS

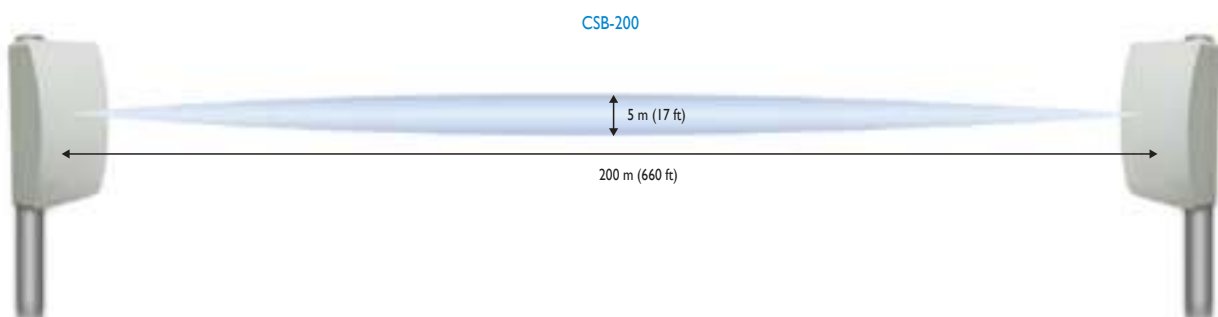
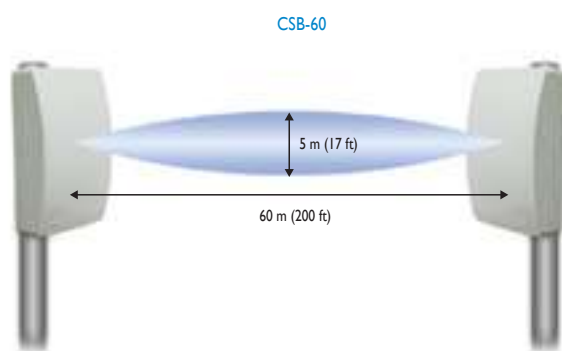


The microwave barriers consist of an invisible cigar shaped protection beam generated between the transmitter and the receiver installed in the protected area. The microwave barriers are suited to protect high risk installations such as airports, factories, military sites, etc.

The CSB offers outstanding performance at long distance range and high resistance to climatic disturbances, birds or small animal interferences. The CSB also offers digital signal analysis for complete environmental parameters study, false alarm rejection and extra reliability.

Three levels of sensitivity adjustment are provided for easy calibration. Swivel mounting brackets allow an easy installation on any type of pole, fence or wall.

### TYPICAL COVERAGE PATTERNS



### CSB - 60 / 200

- Detection range of up to 60 m (200 ft) or 200 m (660 ft)
- Operating temperature  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$ )
- Weather and attack proof housings
- High EM Immunity
- Power failure protection and backup
- Extra Reliability
- Easy calibration and installation
- Multi-level sensitivity adjustment
- Protection of high security areas
- Special installation mounting poles available

# ACCESS CONTROL SOLUTIONS

## ACTEC SERIES



### SC-03 STAND ALONE PROXIMITY ENTRY SYSTEM

SC-03 is best suited to single entrance applications. It was designed for both indoor and outdoor use. SC-03 is very convenient to install inside premises for single room access. Though small in size and easy to install it will be a professional doorkeeper:

- Only the 40 card (tag) holders will be allowed to enter
- Supports door contact
- Supports Request To Exit button
- Adjustable door open timing
- A step by step learning program will make it easier to manage (add or delete users) the controller's database and functions
- PR-03 reader with Wiegand protocol available

### SC-04 STAND ALONE PROXIMITY ENTRY SYSTEM

This stand-alone access control system consists of an anti-vandal metal case designed for outdoor applications. It offers all SC-03 features.



### SC-06 STAND-ALONE PROXIMITY ENTRY SYSTEM

SC-06 is a sophisticated, yet user friendly, access control device. It offers extended programming features (including some control panel functions) and a 500 user database.

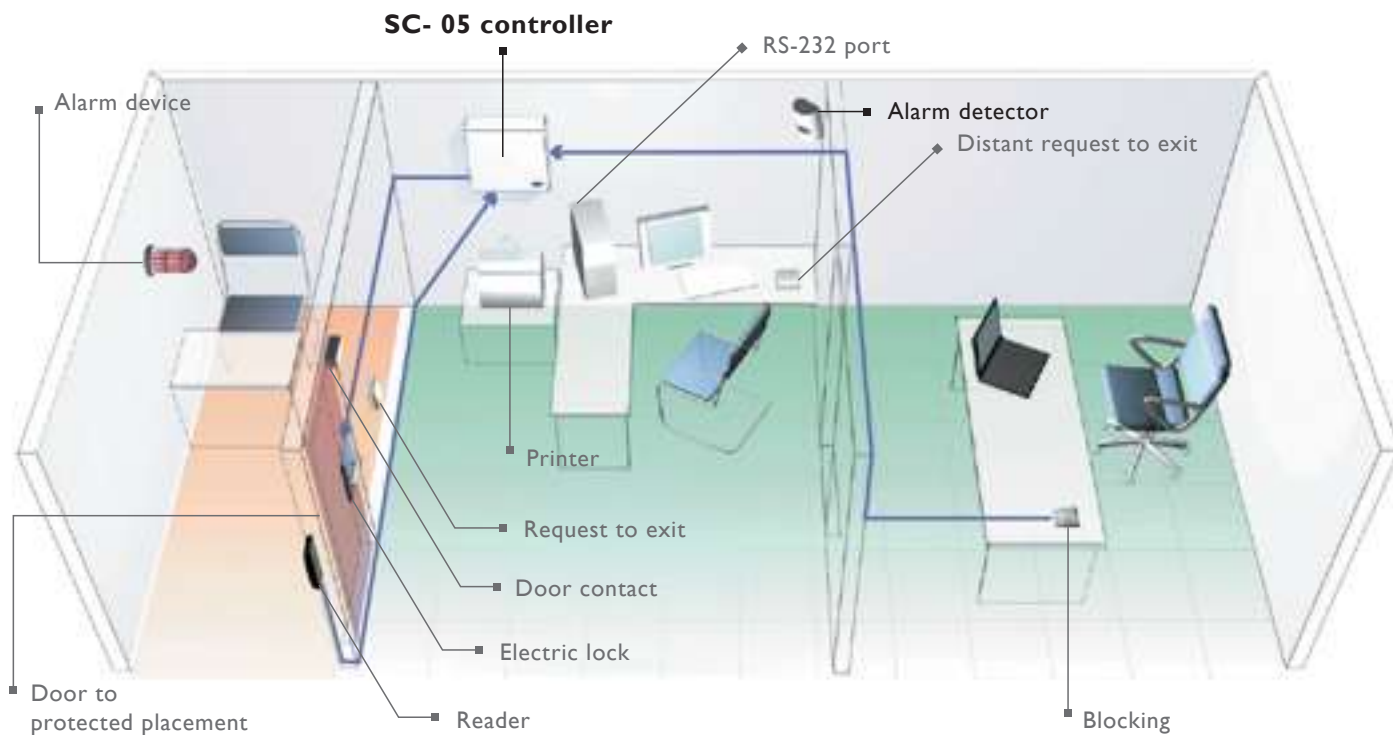
- The system provides access in one of three optional modes: by using proximity card (key-tag), PIN-code or both
- External reader option - to protect the controller itself from vandalism
- External detector connection - enables the control panel functions
- Door contact connection - provides warning signal if the door is left open
- Request to exit button - gives the ability to open the door from the inside from a distance



### CONTACTLESS SMART CARD READER 13.56 MHZ WALL MOUNT VERSION

Universal reader for wide range of applications.  
13.56 MHz frequency - new world standard.  
Supports the following card formats:

- Mifare Classic 1K & 4K
  - Mifare UltraLight
  - Mifare ProX
  - i-Code 1 & i-Code SLI
  - ISO 14443 type A & B
- Communication protocols: Wiegand and RS 485



### PROXIMITY ENTRY SYSTEM WITH PC SUPPORT

#### SC-05 SOPHISTICATED STAND-ALONE ACCESS CONTROL SYSTEM WITH PC SUPPORT

This controller is a multi-function access control system with alarm control panel capabilities and attendance report.

- Two readers (entrance and exit) support
- Additional alarm devices support
- Stand-alone or PC controlled operations with MACS software
- Fast and flexible controller programming for any application
- Saves on hard disk: system configuration, user database and system events
- Generates events or attendance reports
- Software supports database transferring between access point controllers
- MACS can be installed on PC with MS Windows™



SC-05

### NETWORKING SYSTEMS

Professional on-line network access control system with unlimited access points number

- The built-in programmable relay allows the use of additional devices (e.g. siren)
- Protocol allows the connection of two readers to the controller with a three-wire cable and provides full readers monitoring
- AcNet for Windows software can support any number of work stations in standard Microsoft network



NETWORKING SYSTEMS



PROXIMITY CARDS AND TAGS

### PROXIMITY CARDS AND TAGS

The AcTec readers support AcTec key-tags, AcTec proximity cards or other compatible cards and ID's.



### **FPC 100**

#### *FINGER PRINT READER*

Latest optical 3D scan technology implemented to insure the fast and accurate finger print scanning. Designed in a hard plastic body, vandal proof. Fully compatible with AcNet 200.

- Highest security standard combined with user friendly operation
- Vandal proof housing
- High speed and accuracy recognition
- Communication protocols RS 485 or Weigand
- Password backup system
- Capacity - 200 fingerprint
- Response time less then 2 sec
- Off line working mode
- Dimensions 78 x 70 x 38mm

### **ACNET 200**

#### *OFF LINE NETWORK ACCESS CONTROL SYSTEM*

Reliable and easy to instant mid range system for wide range of Access Control application. Smart "local reflex" option enables variety of options for event indication. Fully compatible with any Weigand reader.

- Up to 32 units in one network
- One or Two door access control system
- 2 card readers of any technology
- Real Time Clock
- 4 programmable relays
- 11 Programmable alarm inputs
- Up to 4000 cardholders
- Serial port (RS232 or RS485) for communication with Printer or PC
- Off line system.



# CM/CS SERIES

GSM BACKUP UNITS



*The CM/CS is a supervised alarm transmission and GSM backup system.*

*The CM/CS provides telecommunication line supervision and automatically ensures an alternative communication path via the GSM network in case of PSTN phone line failure.*

*The CM/CS will also send SMS messages and SMS status reports. The system can be connected to any control panel operating with a PSTN dialer and offers increased security of communication.*

## **Main Features**

- GSM Module
- PSTN/GSM line switch
- Data transfer using GSM or GPRS
- PSTN line cut detection
- Battery Backup and charger
- On/Off hook detection
- DTMF decoder
- SMS support
- Dial tone generator
- Pulse meter
- Ringing generator
- "No signal" detection
- Automatic prefix number support
- Supports any control panel operating with PSTN dialer
- CS-47 link communication via BUS



### CM-18

- Built-in Tri-band GSM modem
- Continuous PSTN line supervision
- Fixed SMS messages support
- 4 inputs for SMS message transferring
- 6 outputs for status indication
- Battery backup support



### CS-47

- Built-in Dual band GSM modem
- Continuous PSTN line supervision
- SMS messages support
- 4 inputs for SMS message transferring
- 4 outputs for status indication
- I Key switch input
- Cost routing support
- Battery backup support
- Easy local or remote programming via S/W



### CS-47 Link

- Advanced GSM backup system via BUSS communication
- Built-in Dual band GSM modem
- Transfer of Crow's control panel events as SMS messages
- Transfer of Crow's control panel events to Central Station in Contact ID format
- Communication via TCP/IP via GPRS cl.I0
- Full duplex voice with extension card
- Battery backup support
- Easy local or remote programming via S/W
- Support of other control panels upon request

# RV-COM

## SERIES

### CENTRAL STATION DIGITAL RECEIVERS

#### RV-COM PLUS

The RV-COM PLUS is a multi-line, multi-format digital receiver for commercial fire and burglary monitoring. The system can receive and decode most of the popular and commonly used communication formats and supports up to 30 telephone lines.

The RV-COM PLUS stores all events with time and date stamped. All information is displayed on the large LCD screen, and the events may be printed and/or forwarded to a computer. To ensure security, all programming functions, including the adjustment of the real time clock and date are password protected.

The RV-COM PLUS Software package allows to manage incoming alarm events into a new or existing Database at the central monitoring station.



#### Features

- Up to 30 lines per receiver
- 8192-event non-volatile event buffer in the CPM
- 1600-event non-volatile buffer on each Line Card
- Programming is stored in EEPROM in the CPM and in each Line Card
- Real-time clock and calendar in the CPM
- 1 parallel printer port, 2 RS232 serial ports
- Programmable serial port configuration
- Fast transmission of multiple events to the computer and/or printer to ensure fast operator response
- Continuous verification of the modules by the CPM Unit
- Continuous verification of the receiver-computer link with "heartbeat" protocol
- Caller Identification capability
- Telephone line supervision
- 3/1, 4/2 formats with or without parity and 4/1 without parity at 10 - 40 bps
- 4/1, 4/2, 4/3 DTMF formats
- 3/2 and 4/1 with checksum formats optional
- Extended formats are optional
- Acron DTMF format
- Contact ID format
- SuperFast or High Speed format with or without parity
- Ademco Express format
- Ademco SuperFast format
- FBI Superfast format with or without parity
- SIA format: 110 and 300 baud, tone and data acknowledge
- 1400Hz, 2300Hz, Dual-tone and SIA FSK/CFSK handshakes in programmable sequence
- Large graphical LCD screen in the CPM Unit, individual LCD displays for all Line Cards
- Event libraries for plain language message display capability.
- All modules can function individually to ensure continuous operation during servicing
- Each line card has an output for 2-way audio
- Inputs on the CPM Unit for external acknowledge and tamper supervision
- 2 Programmable Outputs on the CPM Unit
- AC failure detection and backup battery supervision for presence and capacity
- Fast, high-performance RISC micro-processors
- Eurocard circuit board design for reduced complexity and easy servicing.

## RV-COM

*The RV-COM is an ideal compact receiver for small central monitoring stations, local building monitoring and installer use.*



### Features

- 2 line cards
- External DC12V power supply or 12V DC battery backup
- Inside 6V DC battery charger with programmed current (for 6V -1.3Ah, 4Ah, 7Ah)
- Low consumption, long action from battery. (6V-4Ah more 30 hours)
- Inside real time clock.
- Event buffer (max: 4000 events in NVRAM)
- Parallel printer output (printing the events)
- Programme printing working
- Standard serial protocol (Basic + Clock signal)
- Programming with serial port all parameter, and program update (FW Update)
- Multi - link option, for connecting other DRC-2 (just up the 1.0.11 version )
- Acknowledge button (ACK)
- Programmable output for trouble signals.
- Programmable input (tamper or ACK)





---

This product catalog contains bullet formatted information on our product lines.  
For further information please contact us at [sales@crow.co.il](mailto:sales@crow.co.il)  
Information is also available on our website

Specifications are subject to change without prior notice.

## INTERNATIONAL SALES NETWORK

### Headquarters:

**CROW ELECTRONIC ENGINEERING LTD.**  
57 Hamelacha St. Holon 58855 Israel  
Tel. +972 3 5569937  
Fax. +972 3 5592981  
sales@crow.co.il  
support@crow.co.il  
www.thecrowgroup.com

### International Offices:

**CROW ELECTRONIC ENGINEERING INC.**  
2160 North Central Road  
Fort Lee NJ 07024, USA  
Tel. +1 201 944 0005  
Fax. +1 201 944 1199  
crow@crowelec.com  
www.crowelec.com

**CROW AUSTRALIA PTY. LTD.**  
429 Nepean Hwy. Brighton East  
VIC 3187 Australia  
Tel. +61 3 9596 7222  
Fax. +61 3 9596 0888  
crow@crowaust.com.au  
www.crowaust.com.au

**CROW LATIN AMERICA LLC.**  
5753 N.W. 151st Street  
Miami Lakes, FL 33014, USA  
Tel. +1 305 823 8700  
Fax. +1 305 823 8711  
sales@crowlatinamerica.com  
www.crowlatinamerica.com  
www.crow.com.br

### International Distributors:

**DEATRONIC**  
Via Giulianello 4/14  
00178 Roma, Italy  
Tel. +39 06 76 12 912  
Fax. +39 06 76 12 601  
info@deatronic.com  
www.deatronic.com

**CROW HUNGARY**  
1037 Bojtar U 54  
Budapest, Hungary  
Tel. +36 1 388 6112  
Fax. +36 1 368 9417  
crowhun@mail.datanet.hu  
www.crowhungaria.hu

**SANCO PRODUTOS ELECTRONICOS LDA**  
Trav. Conselheiro Veloso Da Cruz 108  
4400-097 V. N. Gaia, Portugal  
Tel. +351 237 10845  
Fax. +351 237 10846  
sanco@sanco.pt

**BETATRONIC LTDA.**  
Rua Dom Pedro I, 752 - Agua Verde  
Curitiba - PR - Brazil 80620-130  
Tel./Fax. +55 41 342 2442  
betatronic@betatronic.com.br  
www.betatronic.com.br

### CROW SECURITY PRODUCTS

14 Ridge Hill  
London NW11 8PS  
United Kingdom  
Tel. +44 208 4550 550  
Fax. +44 208 4550 060  
crowuk@ukonline.co.uk

**EUROMATEC**  
Da Vinci Science Park  
Bazellaan 7  
B-1140 Brussel, Belgium  
Tel. +32 2 7269910  
Fax. +32 2 7265612  
mail@euromatec.be  
www.euromatec.be

**RCO ELEKTRONIK AB**  
Box 705, 176 27 Jarfalla  
Sweden  
Tel. +46 8 546 560 20  
Fax. +46 8 546 560 99  
info@rco.se  
www.rco.se

**NOXHOM**  
Zone Industrielle Pariest  
Parc De Courcerin  
Rue Lech Walesa  
77185 Lognes France  
Tel: +33 1 603 744 80  
Fax: +33 1 601 712 26  
noxhom@wanadoo.fr  
www.noxhom.com

**VIDICON**  
UL. Plocka 17,  
01-231 Warszawa, Poland  
Tel. +48 22 6325543  
Fax. +48 22 6313808  
vidicon@vidicon.pl  
www.vidicon.pl

**DEMES S.L.**  
C/San Fructuoso 34  
08004 Barcelona, Spain  
Tel. +34 93 4254960  
Fax. +34 93 4261904  
bydemes@bydemes.com  
www.bydemes.com

**ILKA S.A.**  
14 Tempon Str, Ag. Paraskevi  
Athens 15342, Greece  
Tel. +30 10 6071 510  
Fax. +30 10 6071 599  
info@ilka.gr  
www.ilka.gr

**ELEKTROMAKS LTD.**  
Poyraz Sokak Sadikoglu is Merkezi 2 D: 14  
Kadikoy/Istanbul, Turkey  
Tel. + 90 216 349 09 08  
+ 90 216 345 94 01  
Fax. + 90 216 330 82 57  
elektromaks@elektromaks.com.tr  
www.elektromaks.com.tr

**DALAMA S.R.L.**  
Sfantu Gyeordghe Str. Bem Jozsef Nr. 1  
BL 3 Sc. B Ap. I Covasna, Romania  
Tel. +40 26 7351539  
Fax. +40 26 7351578  
dalama@cosys.ro

**INSAS LTD.**  
200 "Tsar Simeon" Str.  
FL.2 AP6. Sofia 1303, Bulgaria  
Tel. : +359 28326001  
Fax: +359 28325187  
insas@mb.bia-bg.com